



GRAVITY TAP IN MANHOLE

Checklist

KIVA No: _____ Project Name: _____

Reviewed by: _____ Phone Number: _____ Date: _____

This checklist offers information and general comments on plans required for connecting a private sewer to a manhole, by a tap under gravity flow (located in the public right-of-way). Plan approval, issuing permits, and certain grading clearances depend on compliance with the comments made on the check prints and this checklist. The engineer of record shall satisfy themselves of the completeness and accuracy of the design.

Please return this checklist and the check prints with your next submittal. The following symbols are used to identify changes needed to the plans:

[X] REQUIRED

[✓] O.K.

GENERAL REQUIREMENTS ON PLAN

- [] Supply information indicated on City of Phoenix Standard Detail S-512 (attached).
- [] If the difference between the crown of the existing sewer and the flow line of the proposed tap exceeds one foot, use Standard Detail S-512-D, Drop Manhole (request from Civil Permits/Water Services Counter 2nd Floor, City Hall or call 602-262-6551.
- [] Use lettering of sufficient size and clarity for reproduction; 1/8" min. size.
- [] Include appropriate processing numbers: City Quarter Section, Kiva #, CCPR, CRPR or CSPR #
- [] If existing sewer main is 24 inches or larger, a special detail of manhole tie-in shall be used. Contact Civil Permits/Water Services at 602-262-6551 for more information.
- [] When tunneling under existing curb and gutter, 1/2 sack slurry backfill is required under the curb. Tunneling under sidewalks is not allowed.
- [] This project is subject to Sanitary Sewer repayment as redlined on the plans. For any questions, contact Civil Permits/Water Services at 602-262-6551.
- [] Discussion of redline comments on plans or this checklist, should be directed to the plan reviewer.
- [] Return 3 bond copies for subsequent reviews or 4 copies for signature review with the redlines and checklist to Central Log-In, 2nd Floor of City Hall
- [] Indicate whether manhole to be tapped is existing or proposed.

PLAN REQUIREMENTS

- [] All newly constructed or existing manholes shall be painted with insecticide paint per C.O.P. Spec. SSMH-P1.
- [] All newly constructed 60-inch manholes with main larger than 12" will be coated per C.O.P. Spec. 625.
- [] Compaction shall comply with MAG Sec. 601, 95% minimum in public street.
- [] A Pavement Cut Surcharge may be assessed on this project for trenching in new asphalt pavement. This fee may be assessed in addition to the regular permit fees and is over and above any special backfill, compaction, and pavements replacement stipulations that may be imposed as a condition of permitting. Surcharge affects streets newly paved and newly overlaid.
- [] Blue stake notification detail.
- [] Include material list.
- [] Pavement replacement and type per MAG Section 336, C.O.P. Std. Det. 1200, Type B or replace in kind, whichever is greater.
- [] Curb and gutter replacement minimum 1 full section per MAG Det. 220. Sidewalk replacement minimum 1 full panel per C.O.P. Detail P -1230.
- [] Draw a tap location sketch on back of Standard Detail S-512 or on separate 8 ½ x 11 sheet to provide street names, right-of-way width, easement dimensions, existing utilities with dimensions from Monument Line, drainage flow arrows, and location of manhole to be tapped (provide existing manhole number.) If new manhole to be constructed, dimension from the nearest downstream manhole.
- [] Arizona Registered Sanitary or Civil Engineer's seal, original signature, name, address and phone number are on the plan.
- [] Utility clearances are required on major and collector street crossings as directed by the Project Engineering Plan Reviewer. All conflict notices must be returned with corrected plans prior to approval. An alternative is provided with the disclaimer as shown:

I hereby certify that all utility companies with facilities in the area of this project have been contacted and the data provided is shown on this plan. I agree to indemnify, defend, save and hold harmless the City of Phoenix, its officers, officials, agents, employees and volunteers from any and all claims, demands, actions, liabilities, damages, losses, or expenses incurred for any utility conflicts that may arise.

Signature and seal if applicable

Date

- [] As-built Certification on the plans:

AS-BUILT CERTIFICATION:

I hereby certify that the "Record Drawing" measurements as shown hereon were made under my supervision or as noted and are correct to the best of my knowledge and belief.

Registered Engineer

Date

This publication can be made available in alternate formats (Braille, large print, computer diskette, or audiotape) upon request. Contact the Development Services Department at (602) 262-7811 (voice) or (602) 534-5500 (TTY).